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cont a display apparatus having the optimum color reproducibility for use and area (country) can be provided by changing the spectrum transparent characteristic of the optical filter 60 without changing the material and the structure of the PDP 1, so that cost reduction of the apparatus can be realized.

IN THE CLAIMS:

Please REPLACE claims, in accordance with the following:

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1. (AS ONCE AMENDED HEREIN) A gas-discharge display apparatus utilizing at least one of neon and helium gases to generate a gas discharge for exciting three kinds of fluorescent materials which emit different light colors to display a color image on a display screen thereof, comprising:

an optical filter covering the entire screen and disposed in front of a gas discharge space, selectively absorbing light having a wavelength equal to that of light emission of the gas, and having characteristics in which a transmittance T_{585} at a wavelength of 585 nanometers is smaller than each of a transmittance T_{450} at a wavelength of 450 nanometers and a transmittance T_{620} at a wavelength of 620 nanometers.

2. (AS ONCE AMENDED HEREIN) The apparatus according to claim 1, wherein the optical filter further has characteristics in which a wavelength of peak absorbency in a visible light wavelength range has a value within a range of 550 to 620 nanometers.

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3. (AS ONCE AMENDED HEREIN) A gas-discharge display apparatus utilizing at least one of neon and helium gases to generate a gas discharge for exciting three kinds of fluorescent materials which emit different light colors to display a color image on a display screen thereof, comprising:

an optical filter covering the entire display screen and disposed in front of a gas discharge space, selectively absorbing light having a wavelength equal to that of light emission of the gas, and having characteristics in which first and second peak absorbencies exist in a visible light wavelength range, a wavelength of a first peak absorbency has a value within a range of 550 to 620 nanometers, and a wavelength of a second peak absorbency has a value within a range of 500 to 550 nanometers.

4. (AS ONCE AMENDED HEREIN) A gas-discharge display apparatus utilizing at least one of neon and helium gases to generate a gas discharge for exciting three kind of fluorescent materials which emit different light colors to display a color image on a display screen thereof, comprising:

an optical filter covering the entire display screen and disposed in front of a gas discharge space, selectively absorbing light having a wavelength equal to that of light emission of the gas, and having characteristics in which first and second peak absorbencies exist in the visible light wavelength range, a transmittance T_{585} at a wavelength of 585 nanometers is smaller than each of a transmittance T_{450} at a wavelength of 450 nanometers, a transmittance T_{620} at a wavelength of 620 nanometers, and a transmittance T_{525} at a wavelength of 525 nanometers is smaller than a transmittance T_{450} at a wavelength of 450 nanometers.

7. (AS ONCE AMENDED HEREIN) The apparatus according to claim 1, wherein the optical filter comprises a component separate from a display device having the gas discharge space therein, and is disposed in front of the display device.

9. (AS ONCE AMENDED HEREIN) The apparatus according to claim 1, wherein the optical filter is in contact with the front surface of a transparent substrate comprising the display screen.

10. (AS ONCE AMENDED HEREIN) The apparatus according to claim 1, wherein the optical filter comprises an organic resin in which a substance absorbing light of a specific wavelength is dispersed.

11. (AS ONCE AMENDED HEREIN) The apparatus according to claim 1, further comprising a non-glare layer is disposed in front of the optical filter.

12. (AS ONCE AMENDED HEREIN) A gas-discharge display apparatus utilizing at least one of neon and helium gases to generate a gas discharge for exciting three kinds of fluorescent materials which emit different light colors to display a color image on a display screen thereof, comprising:

an optical filter covering the entire screen and disposed in front of a gas discharge space, selectively absorbing light having a wavelength equal to that of light emission of the gas, and having characteristics in which first and second peak absorbencies exist in a visible light

wavelength range, a wavelength of a first peak absorbency has a value within a range of 580 to 600 nanometers, a wavelength of a second peak absorbency has a value within the range of 500 to 550 nanometers, a transmittance of the optical filter at the first peak absorbency is smaller than 0.5 times an average transmittance in a blue wavelength range, and an average transmittance in a green wavelength range is larger than a transmittance at a first peak absorbency and is smaller than an average transmittance in the blue wavelength range.

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13. (AS ONCE AMENDED HEREIN) The apparatus according to claim 12, wherein the optical filter comprises a component separate from a display device having the gas discharge space therein, and is disposed in front of the display device.

15. (AS ONCE AMENDED HEREIN) The apparatus according to claim 12, wherein the optical filter is in contact with the front surface of a transparent substrate comprising the display screen.

16. (AS ONCE AMENDED HEREIN) The apparatus according to claim 12, wherein the optical filter comprises an organic resin in which a substance absorbing light of a specific wavelength is dispersed.

17. (AS ONCE AMENDED HEREIN) The apparatus according to claim 12, further comprising a non-glare layer is disposed in front of the optical filter.

REMARKS

The amended title is responsive to the requirement for same at page 2 of the Action. No new matter is presented. Approval and entry of the new title are respectfully requested.

The specification and claims have been amended for improved form and without change of substance and are free of any Festo implications. No new matter is presented. Approval and entry of the specification and claim amendments are respectfully requested.

CLAIM REJECTIONS

All of the pending claims 1-18 are rejected for obviousness under 35 USC § 103(a), claim 3 as being unpatentable over US 6,157,504 to Yamada et al. and claims 1, 2 and 4-18 as being unpatentable over Yamada et al. in view of USP 5,218,268 to Matsuda et al.